

Title (en)
CATIONIC MICROCAPSULE PARTICLES

Title (de)
KATIONISCHE MIKROKAPSELPARTIKEL

Title (fr)
PARTICULES DE MICROCAPSULE CATIONIQUE

Publication
EP 2279040 A2 20110202 (EN)

Application
EP 09739146 A 20090427

Priority
• US 2009002561 W 20090427
• US 22178108 A 20080806
• US 14942408 A 20080501

Abstract (en)
[origin: WO2009134343A2] The present invention teaches a cationically charged or neutral microcapsule particle comprising an oil soluble or dispersible core material and a wall material at least partially surrounding the core material, the microcapsule wall material comprising the reaction product of a first composition in the presence of a second composition comprising an emulsifier which is cationic or nonionic, the first composition comprising a reaction product of i) an oil soluble or dispersible amine with ii) a multifunctional acrylate or methacrylate monomer or oligomer, an oil soluble acid and an initiator. The cationic or nonionic emulsifier comprises a water soluble or water dispersible material and optionally a water phase initiator. The first composition initiator and the water phase initiator is an energy-activated initiator. The reaction product of the first composition and second composition results in the formation of a population of microcapsules having a microcapsule wall of low permeance to the core material and having a zeta potential of - 5 millivolts or greater. The resulting microcapsules have adherence to anionic surfaces.

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